of Frederick Funston
1891

May-26 - From ~~D~~ ¼ mile below to ½ mile above Willow Creek camp. along Stream.

May-27 From Willow Creek camp moving camp to a point in Cottonwood Canon, on the eastern slope of Panamint range, Elevation 3800 (Wheeler) Going down Cottonwood Canon, lower limit of Pinus monophylla at 5600 below Grapevine Spr. 4400 (Wheeler) - Juniperus-monosperma found upper limit of Larrea Mexicana, 1900 below Jackass Spr.

May-28. At camp in Cottonwood Canon, 3850 El. Collected along stream and on sides of canon near camp.

Friday-29. From above camp to point 900 below, about five miles Wet and boggy Canon

2/ May 30.

From above camp in Cottonwood
canon to mouth of canon about
ten miles and down across
Mesquit valley to Salt Wells about
ten more. Only vegetation on
route across Mesquit valley—
Sarcobatis vulgaris, Larrea Mexicana
Atriplex hymenelytra, Distichlis
maritimus and Salicornia borealis.

May 31.

From Salt Wells eastwardly to
mouth of Boundary canon in Sheep
mountains. and up canon to spring
2800 above Salt Wells and about ten
miles distant. Boundary canon a
dry wash with no running water.
June 1.

Collected from above spring to
two miles below.

3 June. 2.

Moving camp from above spring. Route to head of Bounding canon and on pass. (4500 above Salt Wells) into unnamed canon with mostly level, opening into mouth and of Mesquit valley and down same to point 3400 above Salt Wells
Ascending Bounding canon upper limit of Lower Mexican 4300 above Salt Wells and in descending the other canon, 4150.
June 3. On canon below camp for one mile.
June 4.
Half-mile below camp in canon
June 7.
Ascending above canon to its head and crossing summit of range into Wood canon, a tributary of the Canyon mouth. easterly course and descending canon to camp at a point 6700 above

4/ Salt Wells. On ascending first canon
lower limit of Juniper and Pinus Monophylla
is identical - 5500 above S.W.
Upper limit of Artemisia tridentata was
not reached. Juniper + Pinus dense on slopes.
June 8. On a rocky canon, tributary
to Wood canon and a short distance
from above camp. — northern exposure
June 9. On Wood canon from
camp to two miles below, and
on sides of canon
June 10
Moving camp from above
above, summit of range to a point
on Grapevine Peak, 7200 above Salt
Wells.
June 11
From above camp to summit of
Grapevine Peak. 8000 S.W.
Upper limit of Artemesia tridentata
7800 S.W. Pinus monophylla extends
to summit. Pinus flexilis from

½ 7800. S.W. ½ summit: Juniperus occidentalis found on Juniperus Peak from 6&8 to summit

11

Timing

June 24. Arrived rut at 2 hrs at Low Pine.
Leaving Low Pine the route lay due east
to the Orays range and up a canon in
thru mountains to the summit of the
pass 4250 above L.P. On the way up lower
and upper limits of Larea 4550, and 8500 above L.P.
Columbines collected at a spring in a well
shaded canon at 1600. Pinus monophylla
from 2500 to summit of pass, 4250, which summit
to be its upper limit. No pinyons along
the trail. Pinus flexilis, lower limit at
pass 4250.

June 25. Collecting along summit of range from
above camp to summit of a peak 4650 above L.P. two
miles west. Pinus flexilis extended to the top
of these growth of "mountain mahogany" extends
along the range just above the Piñon belt
4250. and has 300 feet vertical distribution
The belt is well marked and uniform
and in places is almost impenetrable

4 June 26.

From our camp on summit of pass down a cañon on the north east slope to a point 900 above Lone Pine. Pinus flexilis extended from the pass, 4250, to 3900, where it gave way to monophylla which extended down to 1350. Juniperus from 2600 to 1200.

June 27 Collecting from above point 900 to half a mile down the same cañon

June 28. Moving camp from above to Saline valley 2700 below Lone Pine

June 30. Moving camp from Saline valley - along eastern base of Sierra range to mouth of Wa-co-vi. canon, and up same to point 1900 above Lone Pine. Pinus monophylla and juniperus began at 1750.

July 1 Up Wa-co-vi canon to 4800. Upper limit of P. monophylla 4200. P. aristata began at 4000 and extended to summit.

3/ July 2

Collecting ~~about~~ near above camp on summit of divide 5400 above Lon Pine

July 3

Moving camp from head of Waconi canon ~~5400~~ east side of range 5400 above L.P. up to summit 5600 and thence down western slope of range to Abord ± an Amen near 200 above Lon Pine.

July 4. Moving camp from Abord to a point in Black Canon. White Mts. 4000 above Lon Pine. P. monophylla began at 2400.

July 5. ± Moving camp from above to the summit of pass and down a mile on the east slope to camp at 5800 above Lon Pine. Lower limit of P. ~~Washoensis~~ aristata and P. flexilis 5375 above Lon Pine. Upper limit of P. flexilis 6500, of P. Washoensis 6200.

July 8. 9 + 10. Collecting in flat meadows and on slopes of hills near above camp. The meadow is 5700 above Lon Pine.

July 11. Moving camp. ~~to~~ along summit of White Mts. to head of Cottonwood Creek on east side where we went into camp at an altitude of 8800 above Lone Pine.

July 12 & 13. Collecting on head of Cottonwood Creek.

July - 19. From Benton, 5700 above sea, in a westerly direction through foothills of the Sierras camping at 5500 above Benton. P. Monophylla began at 2500 above B.

July 20. From above camp in a westerly direction to summit of foothill range, 900 above Benton, and then down into Owens river Valley camping at 3500 above B. P. Jeffreyana began at 3700 above B.

21. July. Up Owens river to ~~a point~~ Mammoth 7200 above Benton.

July 22. Collecting at Mammoth. All the collections made today were in damp shady woods.

July 23. Collecting at Mammoth in woods and on open hill-sides

July 24. Moving camp from Mammoth up Owens river to Pine City - 2250 above Benton - distance five miles -

5) July 25. Collecting at Pine City and up Ł cañon.

July 26 - Collecting in cañon two miles above Pine City.

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Itinerary

July 27- Moving camp from 1700 above Benton at Pine Flats to summit of Mammoth pass 2250 above Benton and thence down on west side into the valley of the San Joaquin to what was at a point 900 above Benton

July 28 Collecting in dense woods in vicinity of above camp.

July 29- Moving from above camp in a westerly and northerly direction through dense fir forest to Summit Creek on a bend of Benton

July 30 & 31st and (August) were spent in getting the pack train over the divide from Summit Creek to a point on the Merced 900

above Benton.
August 3.
Collecting in Meseal
at above camp 400 above Benton
Aug 4 Moving camp from above
camp to Yosemite Valley 4000
ft above Sea.

Aug 8. Moving camp out of
Yosemite Valley to a point ten
miles south west and 1,000
feet above.
Aug 9. From above camp
to Wawona, head of Yosemite.
Aug 12. From Wawona
twenty miles in a south
westerly direction to Fish Camp,
400 below Yosemite.
Aug 13 From above
camp ~~to~~ thirty miles down
the San Joaquin to Coarse
Gold. 2100 below Yosemite

Aug 14 From Coarse Gold
to Hamptonville. 3200 below
Yosemite, at edge of plain
of the San Joaquin.
Aug 15. South for twenty
miles along the edge of
the foot hills to Centerville
ridge ~~the~~ Kings river below
the Sierras. Alt ~~4000~~ 3350
below Yosemite.
Aug 16. West thirty miles
up Kings river to Laird's
stage station. 2400 below
Yosemite.
Aug. 18. Up Kings river
thirty miles to camp head of
Yosemite.
Aug ~~2~~ 19. 26 miles up Kings
river to Fox's place 4200
above Yosemite.
Aug 20. Fifteen miles up Kings
river to point 5800 ft above Yosem

Aug 21. From above camp
up Kings river to its head
and well main divide of
the range, higher than
barometer would read.
and thence down
Independence Creek a
short distance.
Aug 22. From camp on
Independence creek to Lone
Pine.

Pacific Coast 1922 - 1925
1916

1922

5201 — 5284 British Columbia
5285 — 5474 Oregon
5475 — 5491 California

1923

5498 — 55253 Washington
5524 - 5681 Oregon

1924

5682 — 5739 Oregon
5740 California

1925

5801 — 5804 Washington
5805 — 5893 Oregon

1916

5045 — 5187 Oregon
5188 — 5343 California

Funston T
Thurston
Oregon

1851